

L Number	Hits	Search Text	DB	Time stamp
7	10	347/65.ccls. and "MEMS" and "CMOS"	USPAT; EPO; JPO	2004/08/23 08:49
8	38	piezoelectric and ("CMOS" near substrate)	USPAT; EPO; JPO	2004/08/23 08:51
9	5	(piezoelectric and ("CMOS" near substrate)) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/23 08:50
10	23	(piezoelectric and ("CMOS" near substrate)) and print\$3	USPAT; EPO; JPO	2004/08/23 09:02
-	447	347/54	USPAT; EPO; JPO	2004/08/17 18:31
-	6	"4819009"	USPAT; EPO; JPO	2000/09/19 13:57
-	70055	electromag\$ and coil	USPAT; EPO; JPO	2000/09/20 17:06
-	375000	piston or plunger	USPAT; EPO; JPO	2000/09/20 17:07
-	9	(347/54) and (electromag\$ and coil) and (piston or plunger)	USPAT; EPO; JPO	2000/09/20 17:17
-	50	(347/\$.ccls.) and (electromag\$ and coil) and (piston or plunger)	USPAT; EPO; JPO	2000/09/20 17:17
-	1191	magnetostrictive adj (material or actuator)	USPAT; EPO; JPO	2000/09/22 12:43
-	145447	magnetic adj field	USPAT; EPO; JPO	2000/09/22 09:53
-	663	(magnetostrictive adj (material or actuator)) and (magnetic adj field)	USPAT; EPO; JPO	2000/09/22 14:49
-	5	347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field))	USPAT; EPO; JPO	2000/09/22 14:48
-	3	magnetostrictive adj (paddle or diaphragm)	USPAT; EPO; JPO	2000/09/22 14:47
-	108	terfenol-D	USPAT; EPO; JPO	2000/09/22 14:48
-	0	347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field)) and terfenol-D	USPAT; EPO; JPO	2000/09/22 14:49
-	60	(magnetostrictive adj (material or actuator)) and (magnetic adj field) and terfenol-D	USPAT; EPO; JPO	2000/09/22 15:30
-	39	motamedi-\$ in.	USPAT; EPO; JPO	2000/09/22 15:30
-	10544	sma or (shape adj memory adj alloy)	USPAT; EPO; JPO	2000/09/25 15:00
-	489	martensitic adj phase	USPAT; EPO; JPO	2000/09/25 12:13
-	587	austenitic adj phase	USPAT; EPO; JPO	2000/09/25 12:14
-	1	((sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 12:14
-	101	(sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)	USPAT; EPO; JPO	2000/09/25 12:20
-	3925	sma or (shape adj memory adj alloy) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:00
-	65	(sma or (shape adj memory adj alloy)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:03
-	4	actuator and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:05
-	3	ejector and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:06
-	9	"0634273"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:42
-	3991177	ep "634273" a2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:43

-	10	"634273"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:43
-	4	"6557977"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/22 08:13
-	0	silverbrook-\$.in and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	108	silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	29	(silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))) and 347/54.ccls.	USPAT; EPO; JPO	2004/08/02 18:31
-	159	(MEMS near (substrate\$1 nozzle\$1 chamber\$1))	USPAT; EPO; JPO	2004/08/17 18:40
-	22	((MEMS near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/02 18:33
-	11	("1941001"   "3373437"   "3416153"   "3946398"   "4346387"   "4894664"   "5812159"   "5825385"   "5880759"   "6079821"   "6312112").PN.	USPAT	2004/08/02 18:35
-	1	6247790.pn.	USPAT; EPO; JPO	2004/08/17 18:35
-	0	MEMS same substrate\$1 same CMOS same (fluid near channel\$1)	USPAT; EPO; JPO	2004/08/17 18:37
-	26	"MEMS" and (substrate\$1 same "CMOS") and (fluid near channel\$1)	USPAT; EPO; JPO	2004/08/17 18:37
-	1466	((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1))	USPAT; EPO; JPO	2004/08/17 18:41
-	33	((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/17 18:49
-	1	5989445.pn.	USPAT; EPO; JPO	2004/08/17 18:52
-	6	("3921916"   "4455192"   "5308442"   "5385635"   "5585827"   "5588597").PN.	USPAT	2004/08/17 18:52
-	714	347/65.ccls.	USPAT; EPO; JPO	2004/08/17 18:53
-	27	347/65.ccls. and "MEMS"	USPAT; EPO; JPO	2004/08/23 08:49
-	1	5828394.pn.	USPAT; EPO; JPO	2004/08/23 08:49
-	1	6712986.pn.	USPAT; EPO; JPO	2004/08/18 08:14
-	1	5828394.pn. and (paper medium sheet)	USPAT; EPO; JPO	2004/08/18 10:26
-	3871	347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))	USPAT; EPO; JPO	2004/08/18 10:27
-	3694	(347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$.in.	USPAT; EPO; JPO	2004/08/18 10:28
-	420	((347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$.in.) and (conductive resistive) and (high with coefficient expansion)	USPAT; EPO; JPO	2004/08/18 11:29
-	6	((347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$.in.) and (conductive resistive) and (high with coefficient expansion) ) and serpentine	USPAT; EPO; JPO	2004/08/18 11:30
-	18	347/63-65.ccls. and kodak	USPAT; EPO; JPO	2004/08/18 11:21
-	28	347/63-65.ccls. and 347/68-72.ccls.	USPAT; EPO; JPO	2004/08/18 13:44
-	1	(347/63-65.ccls. and 347/68-72.ccls.) and (thermal with actuator\$1)	USPAT; EPO; JPO	2004/08/18 11:28
-	295	347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)	USPAT; EPO; JPO	2004/08/18 11:29

-	196	(347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion)	USPAT; EPO; JPO	2004/08/18 11:29
-	1	((347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion) ) and serpentine) not silverbrook-\$.in.	USPAT; EPO; JPO	2004/08/18 11:30
-	48	((347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion) ) and serpentine	USPAT; EPO; JPO	2004/08/18 11:30
-	0	347/63-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT; EPO; JPO	2004/08/18 13:45
-	0	347/56-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT; EPO; JPO	2004/08/18 13:45
-	3	347/56-65.ccls. and 347/68-72.ccls. and (thermal near expansion)	USPAT; EPO; JPO	2004/08/18 13:46
-	0	347/56-65.ccls. and 347/68-72.ccls. and (high near coefficient)	USPAT; EPO; JPO	2004/08/18 13:47
-	126	347/\$.ccls. and piezoelectric and thermal and (high near coefficient)	USPAT; EPO; JPO	2004/08/18 14:09
-	13	(347/\$.ccls. and piezoelectric and thermal and (high near coefficient)) not silverbrook-\$.in.	USPAT; EPO; JPO	2004/08/18 13:47
-	5	347/\$.ccls. and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:12
-	0	(thermal near printhead\$1) and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:13
-	0	printhead\$1 and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:13
-	1284	high near coefficient near expansion	USPAT; EPO; JPO; DERWENT	2004/08/18 14:14
-	51	(high near coefficient near expansion) and (347/\$.ccls. 216/\$.ccls. 29/\$.ccls.)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:36
-	1	jp404001051a	USPAT; EPO; JPO; DERWENT	2004/08/18 14:19
-	4	("4533082"   "4605167"   "4702418"   "5487378").PN.	USPAT	2004/08/18 14:34
-	2	6543884.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:38
-	12	("4789425"   "4864329"   "4866461"   "4894664"   "5016024"   "5198834"   "5322594"   "5463411"   "5489930"   "5638101"   "5648806"   "5710070").PN.	USPAT	2004/08/18 14:37
-	695	347/65.ccls. not silverbrook-\$.in.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:39
-	50	(347/65.ccls. not silverbrook-\$.in.) and (thermal near expansion)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:39
-	36	(347/65.ccls. not silverbrook-\$.in.) and (thermal near expansion near coefficient)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:52
-	2	5877791.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:53
-	2	5989445.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:53